

LOCKING DEVICE SUSTAINING HIGH PRESSURE FOR COFFEE MAKER LID

ABSTRACT OF THE INVENTION

This invention provides a locking device sustaining high pressure
5 in a coffee maker which comprises a brew head assembly which
comprises: a slide assembly, a sealing assembly and a pop-up
and roll-back assembly, operatively linked to sustain pressure
up to four (4) bars. Furthermore, this invention provides a method
for one-hand operation on the locking of a coffee maker comprising
10 steps of: a) Using one hand to put the lever forward to release
the lock which is controlled by two parts, the slider and the
three mounts on the brew base wherein the back-and-forth movement
of the slider will produce the action of locking and releasing;
b) Moving the lever forward, produce the push rod that is
15 assembled on the slider will push the slider forward so the brew
head is released; c) Putting back the lever, the push rod will
put back the slider so the brew head is locked; and d) after
releasing the lock, the lift platform will pop up by the lift
platform spring and the lid mount roll up by the hinge spring.